

Chip Couplers & Dividers

* Compact and high-precision couplers and dividers by our unique multilayered and printing technology

* Various types for various applications are available

* Custom design is also available

2GHz (DECT, PCS, DCS1800, PHS etc.)

Divider

Type	Application	Frequency (MHz)	I.L (dB max)	Isolation (dB min)	V.S.W.R (max)	Dimensions (mm)		
						L	W	T
GSC780-DVD1660	Local	1600~1700	3.8	18	1.5	3.2	1.6	1.7
GSC781-DVD1900	Rx•Tx	1850~1990		18	↓	3.2	1.6	1.7
GHD80-1.66G	Local	1620~1700		↓	1.7	↓	↓	↓
GHD80-1.9G	Rx•Tx	1880~1920	↓	↓	↓	↓	↓	↓

Directional Coupler

Type	Application	Frequency (MHz)	I.L (dB max)	Coupling (dB)	Isolation (dB min)	Dimensions (mm)		
						L	W	T
GSC702-13M1900	13dB Coupler	1710~1990	0.8	13±2	20	3.2	1.6	1.7
GSC703-16M1900	16dB Coupler	1710~1990	0.8	16±2	20	3.2	1.6	1.7

800MHz (GSM, ADC(TDMA & CDMA, PDC))

Divider

Type	Application	Frequency (MHz)	I.L (dB max)	Isolation (dB min)	V.S.W.R (max)	Dimensions (mm)		
						L	W	T
GSC771-DVD0750	Local	750~800	3.8	18	1.5	3.2	1.6	1.7
GSC775-DVD1000	Local	950~1050		15		3.2	1.6	1.7
GHD71-750M	Local	750~800				3.5	4.8	1.5
GHD72-800M	Local	800~850						
GHD73-900M	Local	850~920						
GHD74-950M	Local	920~980						
GHD75-1G	Local	980~1050	↓	↓	↓	↓	↓	↓

Directional Coupler

Type	Application	Frequency (MHz)	I.L (dB max)	Coupling (dB)	Isolation (dB min)	Dimensions (mm)		
						L	W	T
GSC701-14M0900	14dB Coupler	800~1000	0.5	14±2	20	3.2	1.6	1.7
GSC702-18M0900	18dB Coupler	800~1000		18±2	↓	↓	↓	↓
GSC703-20M0900	20dB Coupler	800~1000	↓	20±2	↓	↓	↓	↓

1.5GHz (PDC 1500 etc.)

Divider

Type	Application	Frequency (MHz)	I.L (dB max)	Isolation (dB min)	V.S.W.R (max)	Dimensions (mm)		
						L	W	T
GSC778-DVD1500	Local	1400~1550	3.8	18	1.5	3.2	1.6	1.7
GSC780-DVD1660	Local	1600~1700				3.2	1.6	1.7
GHD78-1.5G	Rx•Tx	1429~1501			↓	3.5	4.8	1.5
GHD79-1.6G	Local	1601~1631		↓		3.5	4.8	1.5
GHD13-1.3G	Local	1300~1400	↓	15	↓	3.5	4.8	1.5

Directional Coupler

Type	Application	Frequency (MHz)	I.L (dB max)	Coupling (dB)	Isolation (dB min)	Dimensions (mm)		
						L	W	T
GSC702-14M1500	14dB Coupler	1429~1501	0.7	14±2	20	3.2	1.6	1.7
GSC703-17M1500	17dB Coupler	1429~1501	0.5	17±2	20	3.2	1.6	1.7

Quadrature Hybrid Coupler (for Base Station)

Type	Zin•Zout	Frequency (MHz)	Coupling (dB max)	Phase balance (degree)	Allowable power (W)	Dimensions (mm)		
						L	W	T
GSC142-HYB0800	50Ω	810~885	3.3	90±4	50	10	12	3.5
GSC242-HYB0800		810~885	3.4		10	7	9	3.0
GSC243-HYB1500		1475~1525	3.3		50	7	9	3.0
GSC343-HYB1500		1475~1525	3.4		10	5	7.2	2.5
GSC241-HYB1900		1800~2000	3.3		50	7	9	3.0
GSC341-HYB1900		1850~1990	3.4		10	5	7.2	2.5
GSC245-HYB2100		2000~2200			50	7	9	3.0
GSC345-HYB2100		2000~2200			10	5	7.2	2.5